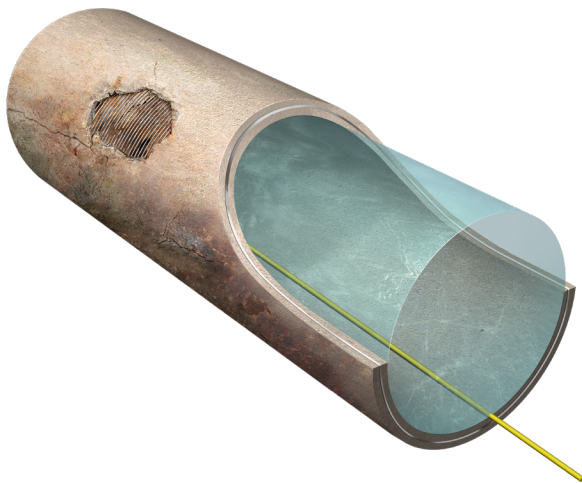


SoundPrint® AFO

CONTINUOUS MONITORING PLATFORM FOR CRITICAL PIPELINE MANAGEMENT

SoundPrint® AFO continuously monitors critical prestressed concrete pipelines. This system provides pipeline owners with near-real-time data to understand pipe condition, make confident asset management decisions, and avoid catastrophic failures. With SoundPrint AFO, owners can safely extend pipeline life and focus limited resources where they are needed most.



Why Choose SoundPrint AFO?

- Detect and locate wire breaks as they occur
- Receive alerts about structural changes in near real time
- Access data on a secure, map-based web portal
- Integrate data with your own management system
- Get access to a dedicated support team and expert analysts
- Empower advanced engineering analyses that support long-term planning

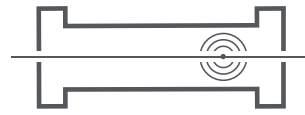
SoundPrint AFO

BY THE NUMBERS



830+

Miles of pipeline monitored



85,600

Wire breaks detected



20

Years of experience across the globe

What You Can Expect

SoundPrint AFO is a proven solution for monitoring wire breaks in prestressed concrete pipelines. The system precisely locates wire breaks as they occur, so pipeline owners can target individual pipes with deterioration. Near-real-time data collection and location accuracy empower owners to make proactive repairs that extend pipeline life, prevent dangerous and costly failures, and limit unplanned operational expenses. Through these benefits, SoundPrint AFO can result in a significant return on investment. Rate-of-change data provided by the platform also strengthens degradation models that support long-term capital and asset management planning.



Operational Excellence

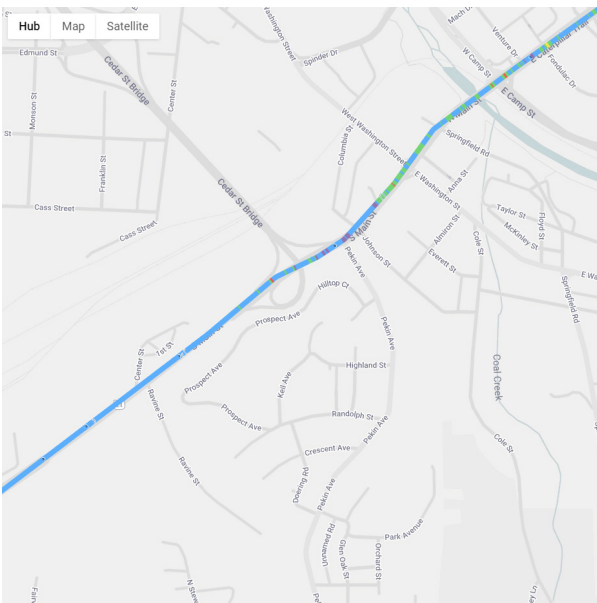
Xylem's advanced data acquisition unit turns an acoustic fiber optic cable into a continuous sensor. Our team of highly trained technicians can install the cable inside the pipeline under live or dewatered conditions. The cable can be deployed around most valves, bends, and outlets. The platform detects and locates wire breaks and other events of concern in near real time, over long stretches of pipeline. This long-term monitoring solution comes with the option for ongoing system maintenance and support.

Delivery Experience

For two decades, Xylem has partnered with utilities to plan and install SoundPrint AFO systems and provide dedicated data analysis and support services. Globally, Xylem has installed over 830 miles (1,340 km) of acoustic fiber optic pipeline monitoring systems.

Actionable Information

Xylem analysts review data collected by the SoundPrint AFO platform and convey actionable information to clients through alerts and a secure online portal. Data is available any time, on any internet-connected device. This map-based dashboard provides access to individual pipe condition history, structural performance curves, and other critical information. Pipeline owners can also seamlessly integrate the data with their own management systems.



Get More from Xylem

Xylem partners with pipeline owners around the world to deliver actionable data that drives proactive, long-term asset management. We leverage proven condition assessment technology, world-class engineering expertise, and advanced analytics to optimize network reliability, maximize pipeline life, and minimize capital costs. Reach out today to see how Xylem's digital solutions can help solve your toughest pipeline management challenges.

Related Case Studies

Lake Huron and Elgin Area Primary Water Supply Systems, Ontario, Canada

Project highlights

- Performed a baseline electromagnetic inspection of a critical 37-mile (60 km) transmission main
- Only 0.5 percent of pipes showed signs of deterioration
- Inspection and monitoring data informed the proactive replacement of eight pipes
- Each proactive repair represents a 5:1 return on investment compared to the cost of a catastrophic failure
- Remaining useful life calculations for each pipe support long-term asset management planning

[READ THE FULL CASE STUDY](#)

San Diego County Water Authority, California, United States

Project highlights

- Monitor more than 29 miles (47 km) of critical prestressed concrete pipelines
- Prevented two potential failures with continuous monitoring
- Each proactive repair saves between \$1.2 million and \$10 million in damage costs
- Reduced pipeline management costs due to fewer shutdowns and longer reinspection intervals
- Improved long-term planning and maximized pipeline life with rate-of-deterioration data

[READ THE FULL CASE STUDY](#)

For more information on data-driven pipeline management, contact us at: puretech@xylem.com



8920 State Route 108, Suite D
Columbia, Maryland USA 21045
Tel: +1 (443) 766-7873
puretech@xylem.com

5055 Satellite Drive Unit #7
Mississauga, Ontario Canada L4W 5K7
Tel: +1 (905) 624-1040
puretech@xylem.com

www.xylem.com